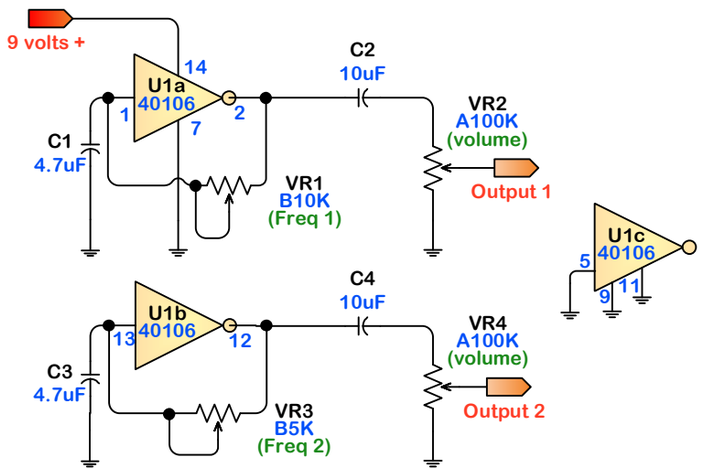
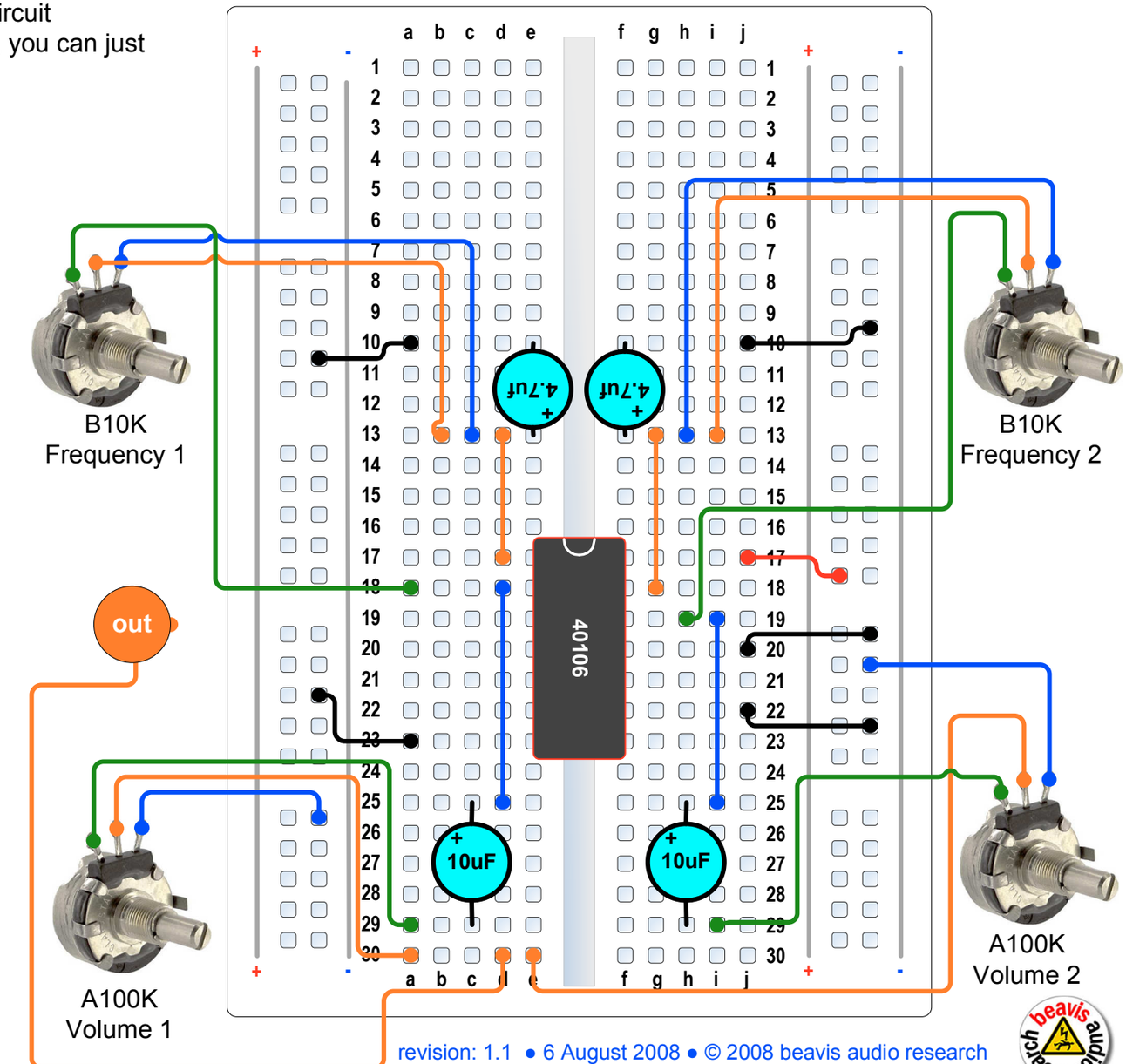
Dual Oscillator

You can use a Schmitt Trigger to create simple oscillators. By choosing the right part values, you can control the frequency of the oscillations to be in the range of tones perceptible to the human ear. That's a fancy way of saying: here's a fun dual tone generator. Two pots control the frequency and the output is high enough to drive a speaker. Notice that there is no input—this circuit oscillates on its own, sort of a super-simple synthesizer. You don't have to build both, you can just build a single oscillator also, just leave out the second set of components.



Mods!

- The combination of C1 and VR1 control the frequency range (or C3/VR3 for the second one. Experiment with different values to see how the range changes
- This circuit puts out a pretty hot signal, so if you are going to run it into an amp, start with the volume pots turned way down.



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